DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-001446
Date Inspected: 06-May-2009

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 1900
OSM Departure Time: 700
Location: Changxing Dao, Shangha

Quality Control Contact:	William (Bill) Oak	**Quality Control Present:**	☑ Yes ☐ No
Material transfer:	☐ Yes ☐ No ☑ N/A	**Sampled Items:**	☐ Yes ☐ No ☑ N/A
Stock Transfer:	☐ Yes ☐ No ☑ N/A	**OK to Cut:**	☐ Yes ☐ No ☑ N/A
Rebar Test Witness:	☐ Yes ☐ No ☑ N/A	**Delayed/Cancelled:**	☐ Yes ☐ No ☑ N/A
Other:	Coatings Inspection		
Bridge No:	34-0006	**Component:**	OBG 1BE,OBG 5AW,OBG 3AW,OBG 4BW
Bid Item:	77, 78, 79	**Lot No:**	B265

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:Review documentation in Caltrans office and file away paperwork from backlog.

OBG 1BE

Abrasive blast mud crack areas to base metal and apply Interzinc 22 to affected areas. Edges were feathered prior to application.

Miscellaneous Metal

Base metal surfaces of bikeway support brackets and also re-abrasive blasted angle iron # X 36E & Z37F due to transport damages to base metal and apply Interzinc 22. Approximately 140 pieces were repaired.

EAST TOWER LIFT#1

In process edge conditioning/ grinding being performed.

OBG 5AW

Adhesion tests of mud cracked areas were performed and the following values were observed: 1). 10.0Mpa over 400 microns DFT. 2).10.47Mpa over 300 microns DFT.

OBG 3AW

Adhesion tests of mud cracked areas were performed and the following values were observed: 10.92Mpa over 300 microns DFT.

OBG 4BW

Adhesion tests of mud cracked areas were performed and the following values observed: 8.10Mpa over 300

microns DFT.
OBG 2BW
Adhesion tests of mud cracked areas were performed and the following values observed: 6.6Mpa 300-400 microns DFT.
OBG 4BE
Adhesion tests of mud cracked areas were performed and the following values observed: 8.14Mpa 240-260 microns DFT.
OBG 4AE
Adhesion tests of mud cracked areas were performed and the following values observed: 8.62Mpa 300+ microns DFT.
OBG 3AE
Adhesion tests of mud cracked areas were performed and the following values observed: 6.01Mpa 350-400 microns DFT.
Note: All testing performed jointly with ABF QA representatives Bill Oak and Dave Duon and Caltrans QA Lumley'

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858)-699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer